

# WAVELESS HULL

## Abstract

A vessel hull that does not create bow, stern, or transverse waves when moving through the water having an exterior surface that has a substantially constant cross-section along the length of the hull, and an interior surface that substantially encloses a flow channel for the length of the hull, the interior surface forming a converging-diverging diffuser. One standing half wave is contained within the hull, and no waves are generated outside the hull. The hull operates most efficiently at higher speeds, and has broad applications, including icebreaker, hybrid displacement and waveless hull, and other hull types.